

01/30/01

jc915 U.S. PTO

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Please type a plus sign (+) inside this box → ☒PTO/SB/05 (12/97)
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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| | | | |
|---|--|--|--|
| UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small> | | Attorney Docket No. TI-31308 | |
| | | First Named Inventor or Application Identifier Mohammed Nafie, et al. | |
| | | Title Interference Cancellation of a Narrow Band Interferer in a Wide Band Communication Device | |
| | | Express Mail Label No. EL645449246US | |

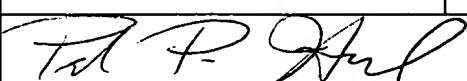
| APPLICATION ELEMENTS <small>See MPEP Chapter 600 concerning utility patent application contents</small> | | ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231 | |
|---|--------------------------|--|--|
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <small>(Submit an original, and a duplicate for fee processing)</small> | | 6. <input type="checkbox"/> Microfiche Computer Program (Appendix) | |
| 2. <input checked="" type="checkbox"/> Specification <small>(preferred arrangement set forth below)</small> - Descriptive title of the Invention - Cross References to Related Applications - Statement Regarding Fed sponsored R&D - Reference to Microfiche Appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure | [Total Pages 17] | 7. Nucleotide and/or Amino Acid Sequence Submission <small>(if applicable, all necessary)</small> a. <input type="checkbox"/> Computer Readable Copy b. <input type="checkbox"/> Paper Copy (identical to computer copy) c. <input type="checkbox"/> Statement verifying identical of above copies | |
| 3. <input checked="" type="checkbox"/> Drawing(s) (35 USC d113) | [Total Sheets 3] | ACCOMPANYING APPLICATION PARTS | |
| 4. Oath or Declaration a. <input checked="" type="checkbox"/> Newly Executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <small>(for continuation/divisional with Box 17 completed)</small> [Note Box 5 below] i. <input type="checkbox"/> DELETION OF INVENTOR(S) <small>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</small> | [Total Pages 1] | 8. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & Documents(s)) 9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <small>(when there is an assignee)</small> 10. <input type="checkbox"/> English Translation Document (if applicable) 11. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 12. <input type="checkbox"/> Preliminary Amendment 13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <small>(Should be specifically itemized)</small> 14. <input type="checkbox"/> Small Entity Statement(s) <input type="checkbox"/> Statement filed in prior application <small>(PTO/SB/09-12)</small> Status still proper and desired 15. <input type="checkbox"/> Certified Copy of Priority Document(s) <small>if foreign priority is claimed</small> 16. <input type="checkbox"/> Other: | |
| 5. <input type="checkbox"/> Incorporation By Reference (useable if Box 4b is checked) <small>The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.</small> | | *A new statement is required to be entitled to pay small entity fees, except where one has been filed in a prior application and is being relied upon. | |

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment:

| | | | |
|---|-------------------------------------|---|----------------------------|
| <input type="checkbox"/> Continuation | <input type="checkbox"/> Divisional | <input type="checkbox"/> Continuation-in-part (CIP) | of prior application No: / |
| Prior application information: Examiner _____ | | | Group / Art Unit: _____ |

18. CORRESPONDENCE ADDRESS

| | | | |
|--|-------------------------------|--|--|
| <input checked="" type="checkbox"/> Customer Number or Bar Code Label 23494 | | or <input type="checkbox"/> Correspondence address below | |
| NAME | | | |
| ADDRESS | | | |
| CITY | STATE | ZIP CODE | |
| COUNTRY | TELEPHONE 972/917-5455 | FAX 972/917-4418 | |

| | | | |
|-------------------|---|-----------------------------------|----------------|
| Name (Print/Type) | Pedro P. Hernandez | Registration No. (Attorney/Agent) | 35,190 |
| Signature |  | Date | 1/30/01 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1.

These are the fees effective October 1, 1997

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.**Complete If Known**

Application Number

Filing Date

01/30/2001

First Named Inventor

Mohammed Nafie, et al.

Examiner Name

Group / Art Unit

Attorney Docket No.

TI-31308

TOTAL AMOUNT OF PAYMENT

(\$)**844.00****METHOD OF PAYMENT**

- 1.
- ☒
- The Commissioner is hereby authorized to charge to the following Deposit Account,

Deposit Account Number

20-0668

Deposit Account Name

Texas Instruments Incorporated

- ☒
- Charge any additional fee required or credit any overpayment
- ☐
- Charge all indicated fees and any additional fee required or credit any overpayment

- 2.
- ☐
- Payment Enclosed:**

☐ Check ☐ Money Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description | Fee Paid |
|----------------|-----------------|----------------|-----------------|------------------------|----------|
| 101 | 790 | 201 | 395 | Utility filing fee | \$710 |
| 106 | 330 | 206 | 165 | Design filing fee | \$ |
| 107 | 540 | 207 | 270 | Plant filing fee | \$ |
| 108 | 790 | 208 | 395 | Reissue filing fee | \$ |
| 114 | 150 | 214 | 75 | Provisional filing fee | \$ |

SUBTOTAL (1)

(\$)**710****2. EXTRA CLAIM FEES**

| Total Claims | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 23 | -20** = 3 | 18 | 54.00 |
| Independent Claims | 4 | -3** = 1 | 80 |
| Multiple Dependent | | | |

**or number previously paid, if greater; For Reissue, see below.

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description |
|----------------|-----------------|----------------|-----------------|---|
| 103 | 22 | 203 | 11 | Claims in excess of 20 |
| 102 | 82 | 202 | 41 | Independent Claims in excess of 3 |
| 104 | 270 | 204 | 135 | Multiple dependent claims in excess of 3 |
| 109 | 82 | 209 | 41 | **Reissue independent claims over original patent |
| 110 | 22 | 210 | 11 | **Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2)

(\$)**134.00****FEE CALCULATION (continued)****3. ADDITIONAL FEES**

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description | Fee Paid |
|----------------|-----------------|----------------|-----------------|---|----------|
| 105 | 130 | 205 | 65 | Surcharge - late filing fee | |
| 127 | 50 | 227 | 25 | Surcharge - late provisional filing fee or cover sheet. | |
| 139 | 130 | 139 | 130 | Non-English specification | |
| 147 | 2,520 | 147 | 2,520 | For filing a request for reexamination | |
| 112 | 920* | 112 | 920* | Requesting publication of SIR prior to Examiner action | |
| 113 | 1,840* | 113 | 1,840* | Requesting publication of SIR after Examiner action | |
| 115 | 110 | 215 | 55 | Extension for reply within first month | |
| 116 | 400 | 216 | 200 | Extension of time within second month | |
| 117 | 950 | 217 | 475 | Extension of time within third month | |
| 118 | 1,510 | 218 | 755 | Extension of time within fourth month | |
| 128 | 2,060 | 228 | 1,030 | Extension of time within fifth month | |
| 119 | 310 | 219 | 155 | Notice of Appeal | |
| 120 | 310 | 220 | 155 | Filing a brief in support of an appeal | |
| 121 | 270 | 221 | 135 | Request for oral hearing | |
| 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding | |
| 140 | 110 | 240 | 55 | Petition to revive - unavoidable | |
| 141 | 1,320 | 241 | 660 | Petition to revive - unintentional | |
| 142 | 1,320 | 242 | 660 | Utility issue fee (or reissue) | |
| 143 | 450 | 243 | 225 | Design issue fee | |
| 144 | 670 | 244 | 335 | Plant issue fee | |
| 122 | 130 | 122 | 130 | Petitions to the Commissioner | |
| 123 | 50 | 123 | 50 | Petitions related to provisional applications | |
| 126 | 240 | 126 | 240 | Submission of Information Disclosure Stmt. | |
| 581 | 40 | 581 | 40 | Recording each patent assignment per properly (time number of properties) | |
| 146 | 790 | 246 | 395 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 149 | 790 | 249 | 395 | For each additional invention to be examined (37 CFR 1.129(b)) | |

Other fee (specify)

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

0.00**SUBMITTED BY**

Typed or Printed Name

Pedro P. Hernandez

Signature

Date

1/30/01

Complete (if applicable)

Reg. Number

35,190

Deposit Account User ID

RECORDATION FORM COVER SHEET
PATENTS ONLYU.S. Department of Commerce
Patent and Trademark Office

TI-31308

To the Assistant Commissioner for Patents. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Mohammed Nafie
Timothy M. Schmidl
Anand G. Dabak

2. Name and Address of receiving party(ies):

Name: TEXAS INSTRUMENTS INCORPORATED

Address: P.O. Box 655474, MS 3999

City: Dallas

State: TX Zip: 75265

Additional name(s) & address(es) attached? ☐ Yes ☒ No1c960 U.S. PTO
09/772756

01/30/01

3. Nature of Conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: Nafie 01/26/01; Schmidl 01/26/01; Dabak 01/29/01

4. Application number(s) or patent number(s).

☒ This document is being filed together with a new application

Execution date of the application: Nafie 01/26/01; Schmidl 01/26/01; Dabak 01/29/01

Title: Interference Cancellation of a Narrow Band Interferer in a Wide Band Communication Device

Docket No: TI-31308

A. Patent Application No.(s)
(to be assigned)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ NoAdditional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Pedro P. Hernandez, Reg. No. 35,190
Texas Instruments Incorporated

Address: P.O. Box 655474, MS 3999

City: Dallas

State: TX Zip: 75265

6. Number of applications and patents involved: (1)

7. Amount of fee enclosed or authorized to be charged: \$40

8. Deposit Account No: 20-0668 (Attach duplicate copy if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date

1/30/01

Pedro P. Hernandez, Reg. No. 35,190

Total Number of Pages Including Cover Sheet, Attachments and Document: 2